



Replacement Sheet
Sheet 1 of 3
Appl. No. : 10/080,676; Filed: February 25, 2002
Dkt No.: 1875.1980000; Group Unit: 2143
Inventors: ANDERSON, IV *et al.*; Tel. No.: 202-371-2600
For: System, Method and Computer Program Product
for Caching Domain Name System Information on
a Network Gateway

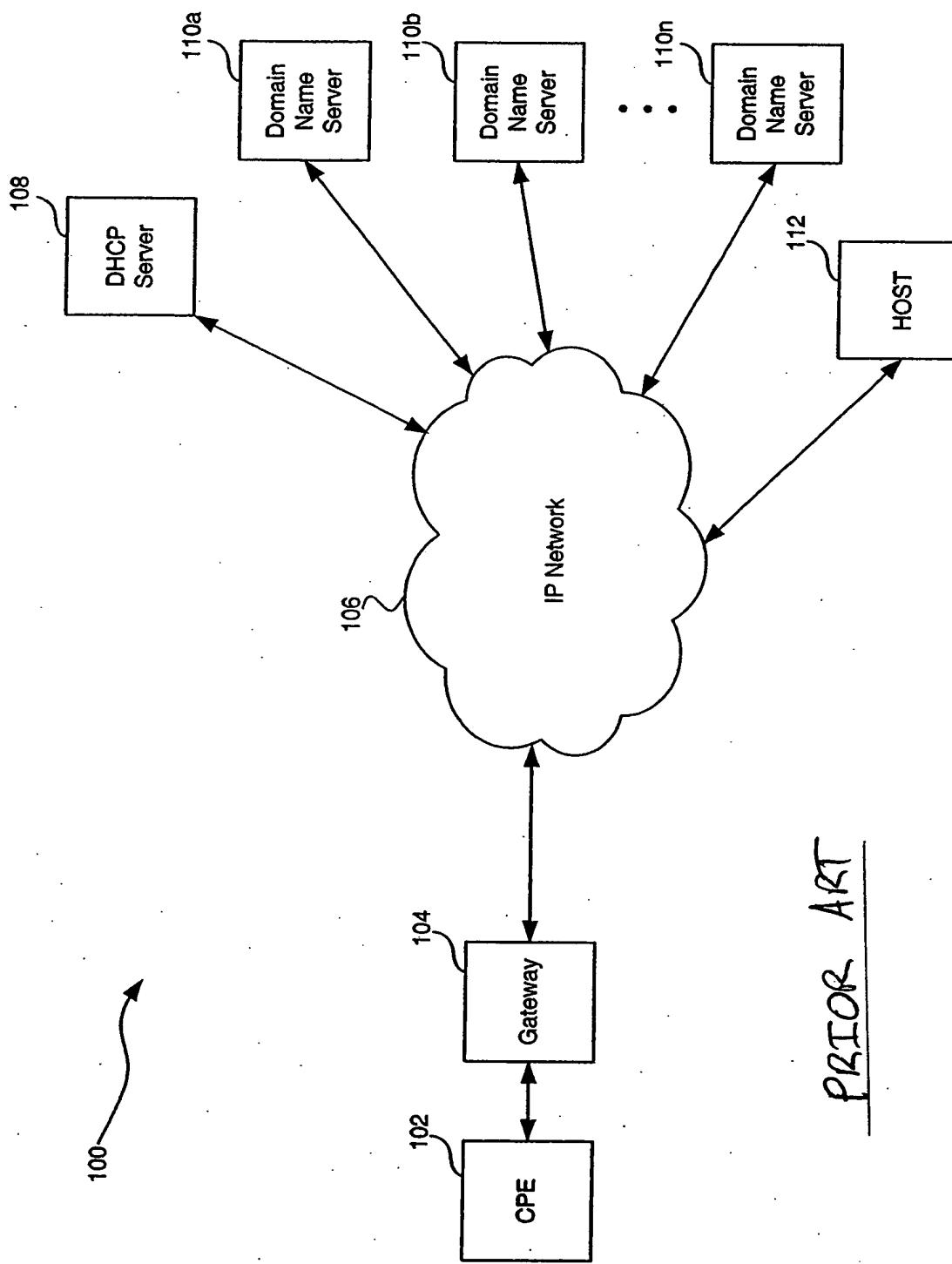


FIG. 1



Replacement Sheet

Sheet 2 of 3

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700

0	16	31
702	IDENTIFICATION	PARAMETER
706	NUMBER OF QUESTIONS	NUMBER OF ANSWERS
	NUMBER OF AUTHORITY	NUMBER OF ADDITIONAL
QUESTION SECTION		
ANSWER SECTION		
AUTHORITY SECTION		
ADDITIONAL INFORMATION SECTION		

FIG. 7A

730

Bit of PARAMETER field	Meaning
0	Operation: 0 Query 1 Response
1-4	Query Type: 0 Standard 1 Inverse 2 Completion 1 (now obsolete) 3 Completion 2 (now obsolete)
5	Set if answer authoritative
6	Set if message truncated
7	Set if recursion desired
8	Set if recursion available
9-11	Reserved
12-15	Response Type: 0 No error 1 Format error in query 2 Server failure 3 Name does not exist

FIG. 7B



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750

0	16	31
QUERY DOMAIN NAME		
QUERY TYPE	QUERY CLASS	

752

FIG. 7C

770

0	16	31
RESOURCE DOMAIN NAME		
TYPE	CLASS	
TIME TO LIVE		
RESOURCE DATA LENGTH		
RESOURCE DATA		

772

782

FIG. 7D